

WHAT IS CLAIMED IS:

1. A method, comprising:
measuring a difference in voltage between a first and second element of a filter when an equal current is applied to both elements; and
adjusting at least one of the first or second elements if there is a measured difference in voltage, wherein the adjusting causes a characteristic of the filter to more closely match a design characteristic of the filter.
2. The method of claim 1, wherein the filter includes a low pass filter.
3. The method of claim 2, wherein the low pass filter includes an RC filter.
4. The method of claim 2, wherein the characteristic includes a cutoff frequency of the filter.
5. The method of claim 4, wherein the cutoff frequency matches the design cutoff frequency when there is no difference in voltage.
6. The method of claim 1, wherein the first element includes a capacitor array and the adjusting activates one or more of the capacitors in the array.
7. The method of claim 6, further comprising setting the charge of each capacitor in the array to zero and repeating the measuring and adjusting until the difference in measured voltage is less than a pre-specified tolerance.

8. The method of claim 1, further comprising repeating the measuring and adjusting until measured voltage is less than a pre-specified tolerance..
9. A system, comprising:
means for measuring a difference in voltage between a first and second element of a filter when an equal current is applied to both elements; and
means for adjusting at least one of the first or second elements if there is a measured difference in voltage, wherein the adjusting causes a characteristic of the filter to more closely match a design characteristic of the filter.
10. A system, comprising:
a comparator capable of measuring a difference in voltage between a first and second element of a filter when an equal current is applied to both elements; and
an engine, communicatively coupled to at least one of the first and second elements and communicatively coupled to the comparator, capable of adjusting at least one of the first or second elements if there is a measured difference in voltage, wherein the adjusting causes a characteristic of the filter to more closely match a design characteristic of the filter.
11. The system of claim 10, wherein the filter includes a low pass filter.
12. The system of claim 11, wherein the low pass filter includes an RC filter.
13. The system of claim 10, wherein the characteristic includes a cutoff frequency of the filter.

14. The system of claim 13, wherein the cutoff frequency matches the design cutoff frequency when there is no difference in voltage.
15. The system of claim 10, wherein the first element includes a capacitor array and the adjusting activates one or more of the capacitors in the array.
16. The system of claim 10, wherein the comparator and engine are further capable of repeating the measuring and adjusting, respectively, until there is the difference in measured voltage is within a pre-specified tolerance.